

FIG.1

5' - GATACTGTGTCCCCAAGGAAAATATCCACCCCTCAAAATAATTGATTTGCTGTACC -
+-----+-----+-----+-----+-----+-----+-----+-----+
D S V C P Q G K Y I H P Q N N S I C C T -

- AAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCCGGGCAGGATACGGAC -
+-----+-----+-----+-----+-----+-----+-----+
K C H K G T Y L Y N D C P G P G Q D T D -

- TGCAAGGAGTGAGAGCGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTC -
+-----+-----+-----+-----+-----+-----+-----+
C R E C E S G S F T A S E N H L R H C L -

- AGCTGCTCCAATGCCAAAGGAATGGTCAGGTGGAGATCTCTTCTTGACAGTGGAC -
+-----+-----+-----+-----+-----+-----+-----+
S C S K C R K E M G Q V E I S S C T V D -

- CGGGACACCGTGTGGCTGCAGGAAGAACCGTACCGCATTATTGGAGTGAACACCTT -
+-----+-----+-----+-----+-----+-----+-----+
R D T V C G C R K N Q Y R H Y W S E N L -

- TTCCAGTGCTTCATTGCGCCCTCTGCCCTCAATGGGACCGTGACCTCTCCAGGAG -
+-----+-----+-----+-----+-----+-----+-----+
F Q C F N C S L C L N G T V H L S C Q E -

- AACAGAACACCGTGTGCACCTGCCATGCAGGTTCCTCTAAGAGAAAACGAGTGTGTC -
+-----+-----+-----+-----+-----+-----+-----+
K Q N T V C T C H A G F F L R E N E C V -

- TCCTGTAGTAACGTAAAGAAAAGCCTGGAGTCACGAAGTTGTGCCTACCCCAGATTGAG -
+-----+-----+-----+-----+-----+-----+-----+
S C S N C K K S L E C T K L C L P Q I E -

- AAT-3'
+-----+-----+-----+-----+-----+-----+-----+
N *

FIG.2

5' - CATATGGACAGCGTTGCCCAAGGAAAATACATCCACCCCTCAAAATAATTGATTGC -
+-----+-----+-----+-----+-----+-----+-----+-----+
M D S V C P Q G K Y I H P Q N N S I C -
- TGTACCAAGTGCCACAAAGAACCTACTTGTACAATGACTGTCCAGGCCGGGAGGAT -
+-----+-----+-----+-----+-----+-----+-----+
C T K C H K G T Y L Y N D C P G P G Q D -
- ACGGACTGCAGGGAGTGTGAGAGCGGCTCCTCACCGCTTCAGAAAACCACCTCAGACAC -
+-----+-----+-----+-----+-----+-----+-----+
T D C R E C E S G S F T A S E N H L R H -
- TGCCCTCAGCTGCTCCAATGCCGAAGGAAATGGTCAGGTGGAGATCTCTTCTTGACAC -
+-----+-----+-----+-----+-----+-----+-----+
C L S C S K C R K E M G Q V E I S S C T -
- GTGGACCGGGACACCGTGTGCTGCAGGAAGAACAGTACCGGCATTATTGGAGTGAA -
+-----+-----+-----+-----+-----+-----+-----+
V D R D T V C G C R K N Q Y R H Y W S E -
- AACCTTTTCCAGTGCTTCTGCTGATAGGATCC -3'
+-----+-----+-----+-----+-----+-----+-----+
N L F Q C F C *

FIG.3

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5' -CATATGGACAGCGTTGCCCAAGGAAATATATCCACCCCTCAAATAATTGATTTC-
+-----+
M D S V C P Q G K Y I H P Q N N S I C -
-TGTACCAAGTGCCACAAGGAACCTACTTGTACAATGACTGTCCAGGCCGGGCAGGAT-
+-----+
C T K C H K G T Y L Y N D C P G P G Q D -
-ACGGACTGCAGGGAGTGTGAGAGCGCTCCTTCACCGCTTCAGAAAACCACCTCAGACAC-
+-----+
T D C R E C E S G S F T A S E N H L R H -
-TGCCTCAGCTGCTCCAAATGCGAAAGGAATGGGTCAAGGTGGAGATCTTCTTCAGACA-
+-----+
C L S C S K C R K E M G Q V E I S S C T -
-GTGGACCGGGACACCGTGTGGCTGCAGGAAGAACAGTACCGGATTATTGGAGTGGAA-
+-----+
V D R D T V C G C R K N Q Y R H Y W S E -
-AACCTTTCCAGTGTCAATTGCTCTGTAAAAGCTT-3'
+-----+
N L F Q C F N C S L *

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FIG.4

5' -CATATGGACAGCGTTGCCCAAGGAAAATATCCACCCCTAAATAATTGATTGC-
+-----+-----+-----+-----+-----+-----+-----+
M D S V C P Q G K Y I H P Q N N S I C -

-TGTACCAAGTGCACAAAGGAACCTACTTGACATGACTGTCCAGGCCGGGCAGGAT-
+-----+-----+-----+-----+-----+-----+
C T K C H K G T Y L Y N D C P G P G Q D -

-ACGGACTGCAGGGAGTGTGAGAGCGGCTCCTTCACCGCTTCAGAAAACCACCTCAGACAC-
+-----+-----+-----+-----+-----+-----+
T D C R E C E S G S F T A S E N H L R H -

-TGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGTCAGGTGGAGATCTCTTCTTGACAC-
+-----+-----+-----+-----+-----+-----+
C L S C S K C R K E M G Q V E I S S C T -

-GTGGACCGGGACACCGTGTGGTGCAGGAAGAACAGTACCGGCATTATTGGAGTGAA-
+-----+-----+-----+-----+-----+-----+
V D R D T V C G C R K N Q Y R H Y W S E -

-AACCTTTCCAGTGCTCAATTAAATAGGGATCC -3'
+-----+-----+-----+-----+-----+-----+
N L F Q C F N *

FIG.5

5' - CATATGTATATCCACCTCAAAATAATTGATTTGCTGTACCAAGTGCCACAAAGGAACC -
+-----+-----+-----+-----+-----+-----+-----+-----+
M Y I H P Q N N S I C C T K C H K G T -

- TACTTGACAATGACTGTCCAGGCCGGGCAGGATA CGGACTGCAGGGAGTGTGAGAGC -
+-----+-----+-----+-----+-----+-----+-----+
Y L Y N D C P G P G Q D T D C R E C E S -

- GGCTCCTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTCAGCTGCTCAAATGCCGA -
+-----+-----+-----+-----+-----+-----+-----+
G S F T A S E N H L R H C L S C S K C R -

- AAGGAAATGGGTCAAGTGGAGATCTCTTCTTGACAGTGGACCGGGACACCGTGTGGC -
+-----+-----+-----+-----+-----+-----+-----+
K E M G Q V E I S S C T V D R D T V C G -

- TGCAGGAAGAACCGTACCGGCATTATTGGAGTGAAAACCTTTCCAGTGCTTCATTGC -
+-----+-----+-----+-----+-----+-----+-----+
C R K N Q Y R H Y W S E N L F Q C F N C -

- TCTCTGTAAGCTT-3'
+-----+-----+-----+-----+-----+-----+-----+
S L *

FIG. 6

5' - CATATGTGTACCAAAGTGCACAAAGGAACCTACTTGATCAATGACTGTCCAGGCCGGG-
 +-----+-----+-----+-----+-----+-----+-----+
 M C T K C H K G T Y L Y N D C P G P G
 -CAGGATAACGGACTGCAGGGAGTGTGAGAGCGGCTCCTCACCGCTTCAGAAAACCACCTC
 +-----+-----+-----+-----+-----+-----+
 Q D T D C R E C E S G S F T A S E N H L
 -AGACACTGCCTCAGCTGCTCCAAATGCCAAGGAAATGGGTCAAGTGGAGATCTCTCTC
 +-----+-----+-----+-----+-----+-----+
 R H C L S C S K C R K E M G Q V E I S S
 -TGCACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACCACTGACCGGATTATTGG-
 +-----+-----+-----+-----+-----+-----+
 C T V D R D T V C G C R K N Q Y R H Y W
 -AGTGAACACCTTTCCAGTGTCAATTGCTCTGTAAAAGCTT-3'
 +-----+-----+-----+-----+-----+-----+
 S E N L F Q C F N C S L *

FIG. 7

5' - CATATGTCGATTAGCTGTACCAAGTGCCACAAAGGAACCTACTTGTCACAATGACTGTCCA-
+-----+-----+-----+-----+-----+-----+
M S I S C T K C H K G T Y L Y N D C P -
-GGCCCGGGGCAGGATACGGACTGCAGGGAGTGTGAGAGCGGCTCCTCACCGCTTCAAGAA-
+-----+-----+-----+-----+-----+-----+
G P G Q D T D C R E C E S G S F T A S E -
-AACCACCTCAGACACTGCCTCAGCTGCCAAATGCCGAAAGGAAATGGGTCAAGGTGGAG-
+-----+-----+-----+-----+-----+-----+
N H L R H C L S C S K C R K E M G Q V E -
-ATCTCTTCTTGACAGTGGACCGGGACACCGTGTGTGGCTGCAGGAAGAACAGTACCGG-
+-----+-----+-----+-----+-----+-----+
I S S C T V D R D T V C G C R K N Q Y R -
-CATTATGGAGTAAAAACCTTTCCAGTGCTCAATTGCTCTCTGTAAAAGCTT-3'
+-----+-----+-----+-----+-----+-----+-----+
H Y W S E N L F Q C F N C S L *

FIG. 8

5' -TTGCCCGCCAGGTGGCATTTACACCTACGCCCGGAGCCGGAGCACATGCCGCTC-
+-----+-----+-----+-----+-----+-----+
L P A Q V A F T P Y A P E P G S T C R L -
-AGAGAAATACTATGACCAGACAGCTCAGATGTGCTGCAGCAAGTGTGCTGCCGGGCCAACAT-
+-----+-----+-----+-----+-----+-----+
R E Y Y D Q T A Q M C C S K C S P G Q H -
-GCAGAAAGTCTCTGTACCAAGACCTCGGACACCGTGTGACTCTGTGAGGACAGCACA-
+-----+-----+-----+-----+-----+-----+
A K V F C T K T S D T V C D S C E D S T -
-TACACCCAGCTCTGAACTGGTTCCGAGTGCTTGAGCTGTGGCTCCGCTGTAGCTCT-
+-----+-----+-----+-----+-----+-----+
Y T Q L W N W V P E C L S C G S R C S S -
-GACCAAGTGGAAACTCAAGCTCGACTCGGAACAGAACCGCATTCGACCTGCAGGCC-
+-----+-----+-----+-----+-----+-----+
D Q V E T Q A C T R E Q N R I C T C R P -
-GGCTGGTACTCGCGCGTGGCAAGCAGGAGGGGTGCCGCTGTGCGCGCCGCTGGCAAG-
+-----+-----+-----+-----+-----+-----+
G W Y C A L S K Q E G C R L C A P L R K -
-TGCCGCCGGGCTTCCGGTGGCCAGACCGAGGAACATGAAACATCAGACGTGGTGTGCAAG-
+-----+-----+-----+-----+-----+-----+
C R P G F G V A R P G T E T S D V V C K -
-CCTGTCCCCGGGACGTTCTCAAACACGACTTCATCCACGGATATTGCAAGCCCCAC-
+-----+-----+-----+-----+-----+-----+
P C A P G T F S N T T S S T D I C R P H -
-CAGATCTGTAACGTGGTGGCCATCCCTGGGAATGCAAGCAGGGATGCAGTCTGCACGTCC-
+-----+-----+-----+-----+-----+-----+
Q I C N V V A I P G N A S R D A V C T S -
-ACGTCCCCACCCGGAGTATGGCCCCAGGGCAGTACACTTACCCAGCCAGTGTCCACAC-
+-----+-----+-----+-----+-----+-----+
T S P T R S M A P G A V H L P Q P V S T -
-CGATCCCAACACACGGCAACTCCAGAACCCAGCACTGCTCCAAGCACCTCCCTCCTG-
+-----+-----+-----+-----+-----+-----+
R S Q H T Q P T P E P S T A P S T S F L -
-CTCCCAATGGGCCCCAGCCCCCAGCTGAAGGGAGCACTGGCGAC-3'
+-----+-----+-----+-----+-----+-----+
L P M G P S P P A E G S T G D *

FIG. 9

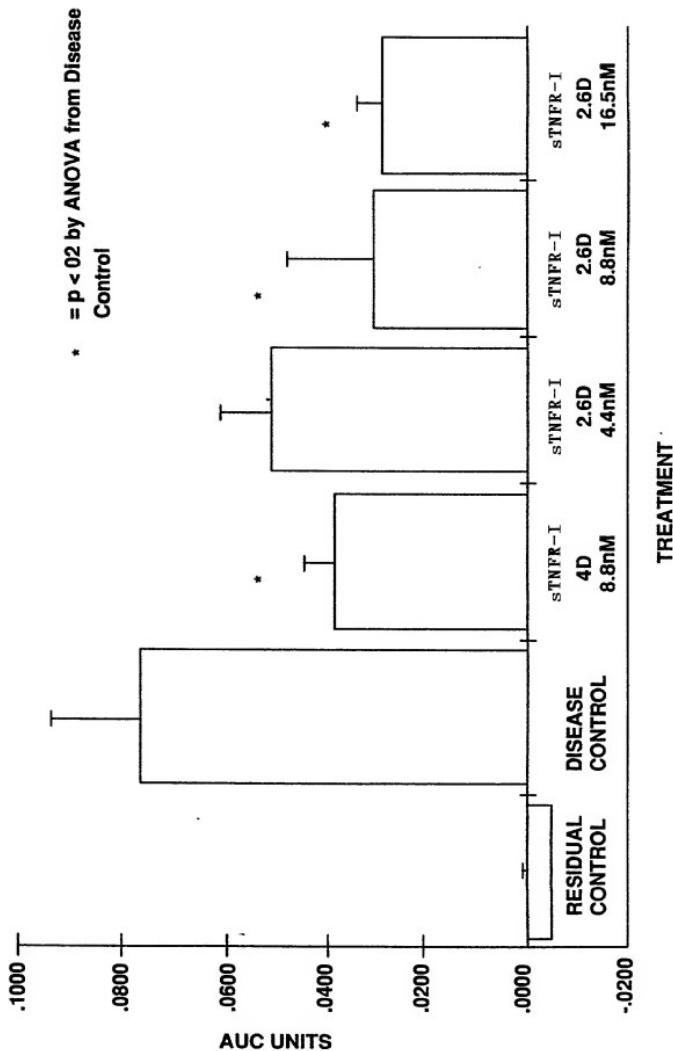


FIG. 10

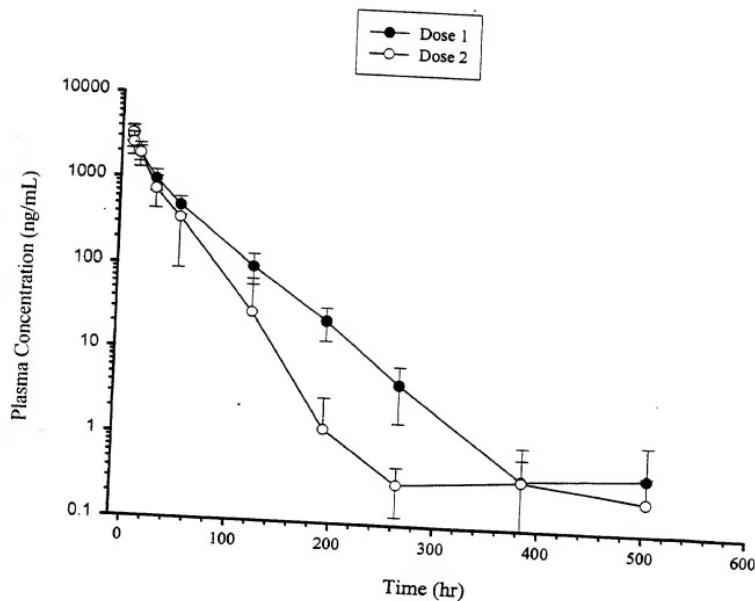


FIG. 11

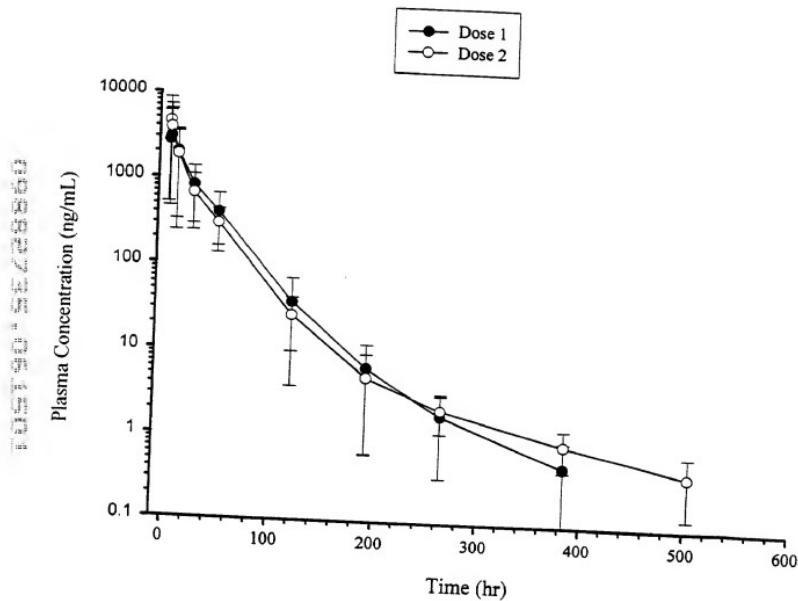


FIG. 12

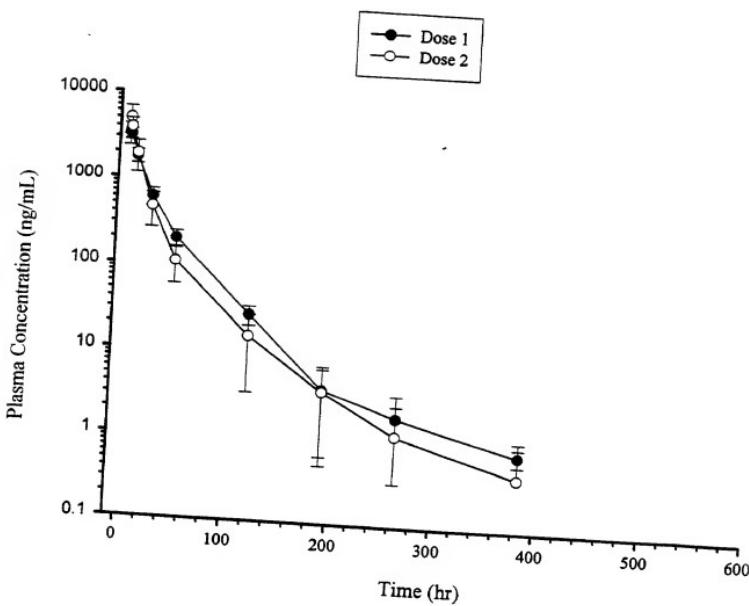


FIG. 13

